

### **REMARKS/ARGUMENTS**

Claims 2-8 and 14 are pending in this application. This paper is a supplemental response to the Office's advisory action mailed January 24, 2007. Claim 1 is cancelled herein and claims 2, 3 and 5 are written in independent form incorporating all the limitations of original claim 1. Claims 6, 7 and 8 have been amended to direct their dependency to claim 2, which now includes the limitations of claim 1. Claim 14 is amended herein to more specifically define the invention. Specific support for these amendments is found in the original claims and is recited in the specification. No new matter is added by way of these amendments.

In the Advisory Action, the Office stated that claims 2, 3, 4 and 5 would be allowable but they depend from a non-allowed claim. Therefore, claims 2, 3 and 5 (claim 4 depending from claim 3) have been rewritten in independent form to include all the limitations of claim 1. Accordingly, claims 2, 3, 4 and 5 should now be allowed. Further, in the final Office Action, the Office rejected claim 14 because the claim could embrace a homozygous or heterozygous transgenic mouse. However, as claim 14 now depends from claim 2, which identifies the transgenic mouse as homozygous, this rejection is now overcome and should be withdrawn. Finally, in the interest of more specifically describing the invention, claim 14 has been amended herein to specifically recite that the method comprises the production of a transgenic mouse having an S342G mutation and further recites the step of transferring the blastocyst into a female recipient parent. Specific support for this amendment is found in the specification at, for example, page 54, lines 1-5 and page 65, lines 1-10. No new matter is added by way of this amendment.

**CONCLUSION**

In view of the amendments and arguments presented herein, applicants respectfully request entry of this after final amendment and re-consideration of the rejections and allowance of the claimed invention. Applicant requests that the Examiner telephone the undersigned in the event a telephone discussion would be helpful in advancing the prosecution of the present application. The Director is authorized to charge any additional fees or underpayment of fees regarding this response, including extensions for reply, to Deposit Account 07-1509.

Respectfully submitted,

GODFREY & KAHN, S.C.

Dated: March 1, 2007

By: /Colin L. Fairman/  
Colin L. Fairman  
Registration No. 51,663

Attorney of Record for Applicant  
GODFREY & KAHN, S.C.  
780 North Water Street  
Milwaukee, WI 53202-3590  
Telephone: 608-257-3911  
Facsimile: 608-257-0609  
mn307701\_1